

The Effects of Outliers

Identify the outlier in each data set.

1. _____

23, 32, 21, 36, 84, 27, 32, 29

2. _____

90, 87, 112, 96, 11, 107, 93, 85

3. _____

stem	leaf
3	6 7 8 8 9
4	0 1 3 3 4 5 7 9 9
5	0 1 1 2
6	9

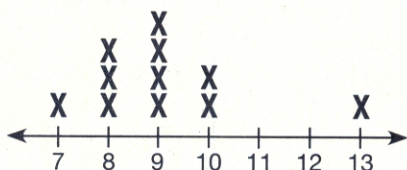
4. _____

stem	leaf
1	4
3	5 7 8
4	0 2 2 3 5 7 9
5	2

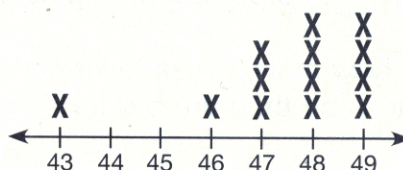
5. _____

stem	leaf
4	8
5	0 1 1 3 5 7 7 9
6	3 4
8	2

6. _____



7. _____



8. a. Find the mean, median, and mode(s) with and without the outliers.

With

mean _____

median _____

mode(s) _____

Without

mean _____

median _____

mode(s) _____

b. Did the outlier(s) affect the mode(s)? _____

the mean? _____

the median? _____

Which did it affect the most? _____

Areas of States (thousands of square miles)

AK	571
AZ	114
CA	156
CO	104
HI	6
ID	82
MT	145
NV	110
NM	121
OR	96
UT	82
WA	66
WY	97